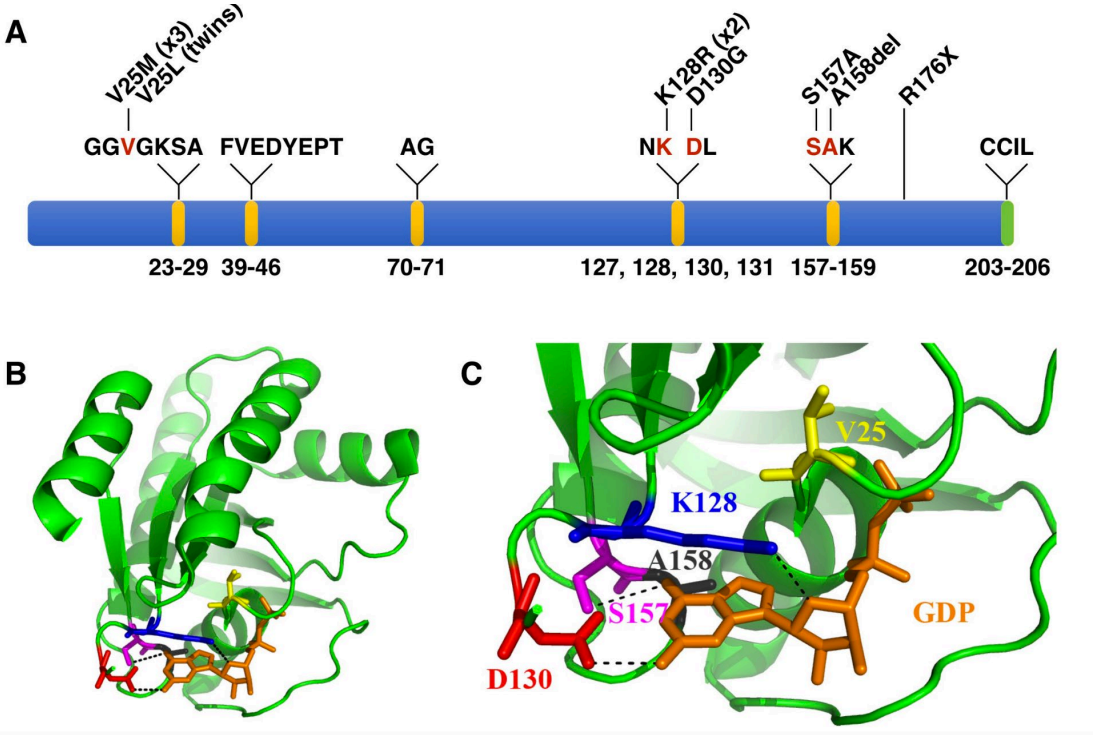
Department of Biomedical Sciences Seminar Series
Wednesday April 24, 12:00-12:50, Room 1306 College of Medicine

Genomics Backstage: The Tools and Teamwork Behind Genome Sequencing for Rare Disease Diagnosis

James Lawlor

Bio: James Lawlor is a Computational Biologist with Greg Cooper's Lab at the HudsonAlpha Institute of Biotechnology in Huntsville, Alabama. His primary role is to write software and analyze genome sequencing data supporting the Cooper Lab's efforts to diagnose pediatric rare disease, developmental delay, and intellectual disability. He holds a Master's Degree in Modeling and Simulation from the University of Alabama in Huntsville (UAH), where he also completed undergraduate work in Biochemistry and Mathematics. James is a graduate of the Eric Mendenhall Lab at UAH, where he studied the regulation of the gene underlying Cystic Fibrosis. As a Cystic Fibrosis patient himself, he is also a passionate patient advocate.

Research image: Variants linked to intellectual disability and developmental delay



From Hiatt, S. M. *et al.* De novo mutations in the GTP/GDP-binding region of RALA, a RAS-like small GTPase, cause intellectual disability and developmental delay. *PLoS Genet.* **14,** 1–16 (2018).